

QUERY CONTROL FORM		RTIS USE ONLY	
Application No. <u>09/890972</u>	Prepared by <u>ewc</u>	Tracking Number <u>05872471</u>	
Examiner-GAU <u>DINKINS</u>	Date <u>1-19-04</u>	Week Date <u>12-08-03</u>	
<u>2831</u>	No. of queries <u>- 1 -</u>	<u>IFW</u>	

## JACKET

a. Serial No.	f. Foreign Priority	k. Print Claim(s)	p. PTO-1449
b. Applicant(s)	g. Disclaimer	l. Print Fig.	q. PTOL-85b
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract
d. PCT	i. Title	n. PTO-270/328	s. Sheets/Figs
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other

## SPECIFICATION

- a. Page Missing
- b. Text Continuity
- c. Holes through Data
- d. Other Missing Text
- e. Illegible Text
- f. Duplicate Text
- g. Brief Description
- h. Sequence Listing
- i. Appendix
- j. Amendments
- k. Other

## MESSAGE

"B" a.mdt (claims) is illegible at  
bottom of pp. 3, 4, 5.  
Please provide clear copy.

Thank you  
ewc

claim 2, 7, 13  
a.mdt of 8/26/03

## CLAIMS

- a. Claim(s) Missing
- b. Improper Dependency
- c. Duplicate Numbers
- d. Incorrect Numbering
- e. Index Disagrees
- f. Punctuation
- g. Amendments
- h. Bracketing
- i. Missing Text
- j. Duplicate Text
- k. Other

initials

## RESPONSE

Attorney faxed legible copies

initials

## Fax Memorandum

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Number of Pages: COVER + 6

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Note: Re: 09/890,972  
Requested copy of Amendment faxed  
9/17/03.

*M. Masimbo*  
Reg. # 40,252

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

STEFAN VANHEESBEKE

Serial No.: 09/890,972

Art Unit: 2831

Filed: October 12, 2001

Examiner: A. Dinkins

For: METHOD AND DEVICE FOR CONTROLLING A SELECTION DEVICE WITH  
SOLENOIDS FOR A WEAVING MACHINE

## RESPONSE

To the Director of Patents and Trademarks

Sir:

In response to the office action dated June 17, 2003, kindly  
amend the application as follows:

Kindly enter and approve the following, which is a clean  
copy of each replacement paragraph, section, and/or claim  
incorporating the respective changes made, previously as well as  
concurrently.

No new matter has been added by the amendment(s).

In the Abstract:

Kindly cancel the previous Abstract and enter the following substitute abstract:

**--ABSTRACT OF THE DISCLOSURE**

Device for energizing a number of coils of a hook selection device for a weaving machine includes an electrical power supply source connected to the coils and a regulating device for regulating the current intensity in the coils. Each coil includes: a comparator for comparing the current intensity in the coil to a reference current intensity and a controllable current regulator (e.g. a chopper transistor) for regulating the current intensity in the coil in order to reach or approach the reference current intensity. The regulating device includes an electronic control circuit that is provided to control the current regulator of each coil of a number of coils, in order to reduce a variance between the actual current intensity in that coil and the reference current intensity measured by the comparator of that coil.--

In the Claims:

1. (currently amended) Device for energising a number of solenoids (1) of a hook selection device for a weaving machine, comprising an electrical power supply source (V1) connected to the solenoids (1) and a regulating device for regulating the current intensity in the solenoids characterised in that per solenoid the regulating device comprises: a comparator (3) provided for comparing the current intensity in the solenoid (1) to a reference current intensity and a controllable current regulator, ~~such as e.g. a chopper transistor (M1),~~ which is provided for regulating the current intensity in the solenoid (1) in order to reach or approach ~~this~~ the reference current intensity, and that the regulating device comprises an electronic control circuit (2a, 2b) that is provided in order with several solenoids to control the current regulator (M1) of each solenoid (1) in order to reduce a deviation between the actual current intensity in ~~that~~ the solenoid (1) and the reference current intensity measured by the comparator (3) of ~~that~~ the solenoid (1).

2. (original) Device for energising a number of solenoids of a hook selection device for a weaving machine, according to claim 1 characterised in that the electronic control circuit is provided in order to control the current regulator (M1) in function of a signal originating from the comparator (3).

3. (previously amended) Device for energising a number of solenoids of a hook selection device for a weaving machine,

according to claim 1 characterised in that the current regulator is a chopper transistor.

4. (previously amended) Device for energising a number of solenoids of a hook selection device for a weaving machine, according to claim 1 characterised in that the electronic control circuit is provided in order to determine the reference current.

5. (previously amended) Device for energising a number of solenoids of a hook selection device for a weaving machine, according to claim 1 characterised in that the electronic control circuit is provided in order to control means for generating a reference current so that in a first phase of the energising of the solenoids a higher reference current is generated than in a subsequent second phase.

6. (previously amended) Device for energising a number of solenoids of a hook selection device for a weaving machine, according to claim 1 characterised in that the means for generating a reference current comprise a pulse width modulator.

7. (previously amended) Device for energising a number of solenoids of a hook selection device for a weaving machine, according to claim 1 characterised in that parallel to each solenoid (1) a diode (D1) is provided, and that the current intensity is determined by the solenoid by means of a sensor resistance (R1).

8. (previously amended) Device for energising a number of solenoids of a hook selection d vice for a weaving machine, according to claim 1 characterised in that apart from the

electronic control circuit (2a, 2b), the regulating device only comprises the following discrete components per solenoid (1): a diode (D1), a chopper transistor (M1), a sensor resistance (R1) and a comparator (3) whether not provided with a filter.

9. (previously amended) Device for energising a number of solenoids of a hook selection device for a weaving machine, according to claim 1 characterised in that the electronic control circuit is or comprises an integrated circuit.

10. (previously amended) Device for energising a number of solenoids of a hook selection device for a weaving machine, according to claim 1 characterised in that the electronic power supply source (V1) to which the solenoid (1) is connected is a mains transformer with bridge rectifier.

11. (previously amended) Device for energising a number of solenoids of a hook selection device for a weaving machine, according to claim 1 characterised in that the electronic power supply source (V1) is a power supply source with an invariable voltage.

12. (previously amended) Device for energising a number of solenoids of a hook selection device for a weaving machine, according to claim 1 characterised in that the electronic control circuit (2a, 2b) comprises digital components.

13. (previously amended) Hook selection device for a weaving machine, comprising a number of solenoids, characterised in that it comprises at least one device for energising solenoids (1) according to claim 1.

REMARKS

Applicant appreciates the indicated allowability of all the claims. The amendments proposed in this Response address the issues on pages 2-3 of the office action. No new matter has been added. Entry and allowance are requested.

Since Applicant has presented a novel, unique and non-obvious invention, reconsideration and allowance are respectfully requested.

Respectfully,



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August 26, 2003